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A¹
4. (Amended) The CO oxidation catalyst as claimed in claim 1, wherein the alkali metal is at least one selected from potassium, cesium, rubidium, sodium and lithium.

5. (Amended) The CO oxidation catalyst as claimed in claim 1, wherein the alkaline earth metal is at least one selected from barium, calcium, magnesium and strontium.

8. (Amended) A method for producing a CO-reduced, hydrogen-containing gas, which comprises selectively oxidizing carbon monoxide in a gas of essentially hydrogen, with oxygen in the presence of the catalyst of claim 1.

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10. (Amended) The method for producing a hydrogen-containing gas as claimed in claim 8, wherein the hydrogen-containing gas produced is for fuel cells.

11. (New) The CO oxidation catalyst as claimed in claim 2, wherein the weight ratio of titania to alumina falls between 0.1/99.9 and 90/10.

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12. (New) The CO oxidation catalyst as claimed in claim 2, wherein the alkali metal is at least one selected from potassium, cesium, rubidium, sodium and lithium.

13. (New) The CO oxidation catalyst as claimed in claim 2, wherein the alkaline earth metal is at least one selected from barium, calcium, magnesium and strontium.

14. (New) A method for producing a CO-reduced, hydrogen-containing gas, which comprises selectively oxidizing carbon monoxide in a gas of essentially hydrogen, with oxygen in the presence of the catalyst of claim 2.

15. (New) A method for producing a CO-reduced, hydrogen-containing gas, which comprises selectively oxidizing carbon monoxide in a gas of essentially hydrogen, with oxygen in the presence of the catalyst of claim 6.

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16. (New) The method for producing a hydrogen-containing gas as claimed in claim 14, wherein the gas of essentially hydrogen is obtained by reforming or partially oxidizing a hydrogen-producing starting material.

17. (New) The method for producing a hydrogen-containing gas as claimed in claim 15, wherein the gas of essentially hydrogen is obtained by reforming or partially oxidizing a hydrogen-producing starting material.

18. (New) The method for producing a hydrogen-containing gas as claimed in claim 14, wherein the hydrogen-containing gas produced is for fuel cells.

19. (New) The method for producing a hydrogen-containing gas as claimed in claim 15, wherein the hydrogen-containing gas produced is for fuel cells.